

Abstract

A rare gas discharge lamp lighting apparatus has a power supply, a transformer, a switching element which is in series connected to the power supply and a primary side of the transformer, a rare gas discharge lamp connected on a secondary side of the transformer, and an input terminal for inputting a lamp lighting signal, a controlling circuit for outputting a controlling signal to the switching circuit by calculating at least one of output voltage, output current and output power, and an operating voltage input terminal to which voltage is impressed to initiate an operation of the controlling circuit based on the lamp lighting signal, wherein a delay element is provided between the input terminal and the operating voltage input terminal.